

IN THE SPECIFICATION

Please delete the entire section entitled "ABSTRACT" on page 14 and replace it with the following clean version of that Section.

ABSTRACT

SYSTEM FOR THE CONTROLLED OPERATION OF A DEVICE

PROPELLED BY ELECTRIC MOTOR

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A system is described for the controlled propulsion of a transporting device including at least two drive wheels propelled by electromotive units, in which system at least two drive wheels are each propelled by independent electric motors; each electric motor receives electric power through an independent power amplifier which amplifies electric signals produced by sensor devices; the sensor devices detect a mechanical force applied on a push and pull element, and convert the mechanical force into electric signals which indicate the degree and the direction of the mechanical force applied on the push and pull element, and the amplifier amplifies the signal in accordance with a factor which is a function of the weight that the trolley has to move and it feeds the electric motor so it can power the drive motor in accordance with a torque corresponding to the movement ordered through the sensor devices.
